FEDERAL ITEM IDENTIFICATION GUIDE

COMPUTERS-ASSOCIATED EQUIPMENT

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Commander

Defense Logistics Information Service

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

   This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

   This FIIG is comprised of the following:

   Index of Approved Item Names Covered by this FIIG
   Applicability Key Index
   Section I - Item Characteristics Data Requirements
   Section III - New text that should be here.
   Appendix A - Reply Tables
   Appendix B - Reference Drawing Groups (as applicable)
   Appendix C - Technical Data Tables (as applicable)

   a. Index of Approved Item Names Covered by this FIIG:

   The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

   b. Applicability Key Index:

   The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

   (1) The letter "X" indicates the requirement must be answered for a full descriptive item.

   (2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

   (3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

Index of Master Requirement Codes

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ARITHMETIC UNIT, COMPUTER	60064	A

An item that performs operations such as addition, subtraction, multiplication and division on signals being processed within a computer. It may also provide temporary storage and shift register functions, and not to that of the overall computer.

Computer

1. A device capable of accepting information, applying prescribed processes to the information and supplying the results of these processes. Usually consist of input and output devices, storage, arithmetic and logical units and a control unit. Excludes calculating machines. Do not use if a more suitable name applies.

COMPUTER (1), AIR DATA	30742	A

A computer specifically designed to convert basic air data input signals into electrical output signals representing the necessary flight parameters such as pressure altitude, MACH number, airspeed and impact pressure. See also COMPUTER, AIR SPEED; COMPUTER, ALTIMETER-PRESSURE; COMPUTER, ALTITUDE; COMPUTER, MACH NUMBER; COMPUTER, PRESSURE-ALTITUDE; COMPUTER, TRUE WIND DIRECTION AND INTENSITY; and COMPUTER, ZONE WIND.

COMPUTER (1), AIR SPEED	03935	A

A computer used to determine true air speed from indicating air speed, temperature and pressure data.

COMPUTER (1), AIR TRAFFIC CONTROL	30743	A

A computer which computes air and/or ground data and monitors aircraft takeoff, landing and position. See also COMPUTER, AIR TRAFFIC SEQUENCING; COMPUTER, AIRCRAFT TO ENTRY GATE; COMPUTER, ERROR, RADAR DATA; COMPUTER, FREQUENCY PROPAGATION; COMPUTER, RESIDUAL TIME; COMPUTER-SIGNAL DATA GENERATOR; and COMPUTER, VISUAL DISTANCE.

COMPUTER (1), AIR TRAFFIC SEQUENCING	00415	A

A computer for the determination of the optimum spatial relationship between two or more aircraft in an airport traffic landing pattern for the purpose of scheduling each aircraft into the entry gate area to provide final approach and landing in accordance with airport safety regulations, while requiring a minimum of flying time and fuel consumption.

COMPUTER (1), AIRCRAFT ATTITUDE	53058	A

A computer that contains the follow-up servo for pitch and roll information from the platform, and the circuitry for computing vertical attack angles, climb angle, vertical velocity, and ground speed to altitude ratio.

Approved Item Name	INC	App Key
COMPUTER, AIRCRAFT-LAUNCHER INTERFACE	38461	A

Provides data processing between aircraft and guided missile launcher. May provide power, control and display interfaces. Usually a microprocessor based system which incorporates peculiar discrete circuitry and reprogrammability. Do not use if a more specific name applies.

COMPUTER (1), AIRCRAFT TO ENTRY GATE	00416	A

A computer for the determination of the analog equivalent between an aircraft and the point in free space at which the aircraft is accepted for final approach in accordance with electronic scheduling by an automatic landing control set. See also COMPUTER, AIR TRAFFIC CONTROL.

COMPUTER (1), AIRCRAFT WEIGHT-BALANCE	60246	A

An electronic computer designed to determine the actual weight and center of gravity position of various aircraft when used with electronic scales. It computes the estimated landing weight and center of gravity position. It is adaptable for use as a component of a COMPUTER-PLANNER, AIRCRAFT LOAD in planning cargo loadings to desired center of gravity positions, when used with or without scales.

COMPUTER (1), AIRSPEED-ALTITUDE	00417	A

A single component with the dual function of determining the rate of movement through the air and the vertical distance above a reference plane, of the aircraft in which it is installed.

COMPUTER (1), ALTIMETER-PRESSURE	03936	A

A computer which converts pressure altitude in feet to the corresponding atmospheric pressure in millibars.

COMPUTER (1), ALTITUDE	19048	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to compute vertical distances from a reference point. May include accessories. See also COMPUTER, AIR DATA.

COMPUTER (1), ALTITUDE-AZIMUTH #	30744	A

A computer with dual function, to determine and compute the vertical distance and the horizontal angular measurement. For items with a single function, see COMPUTER, ALTITUDE and COMPUTER, AZIMUTH. See also COMPUTER, NAVIGATIONAL.

COMPUTER, AUTOMATED INFORMATION SYSTEM, CRYPTOLOGIC	*46417*	*A*

A computer designed to operate within an Automated Information System (AIS) supporting the cryptologic effort. These support functions include safeguarding Service Cryptologic Element (SCE) organic information and communications, terrestrial, airborne, and afloat.

Approved Item Name	INC	App Key
COMPUTER (1), AZIMUTH	00419	A

A computer for the determination of horizontal angular measurements from a base line. See also COMPUTER,NAVIGATIONAL.

COMPUTER (1), AZIMUTH RATE	01793	A

A computer that calculates the rate of change of horizontal angular measurements from a base line.

COMPUTER (1), BALLISTICS	60247	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to calculate the trajectory of a projectile in relation to a target.

COMPUTER (1), BOMB-NAVIGATIONAL	30745	B

A dual purpose computer designed to control the bombing of ground targets and to aid in navigating the aircraft by receiving signals from the ground and computing a new air signal. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), BUOYANCY	16630	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to calculate the buoyancy of water under various conditions with reference to a standard. May also be used to determine sound velocity.

COMPUTER (1), COLLISION AVOIDANCE	49761	A

A computer specifically designed to continuously monitor dynamic flight data, combine it with predetermined flight criteria, and to issue aural and visual warnings of deviations from safe flight conditions.

COMPUTER CONSOLE, TACTICAL	*47489*	*A*

A permanent workstation used to process and disseminate data. Specific heterogeneous inputs are processed and managed via COMPUTER, TACTICAL, monitors, storage devices, patching panels and the like. May or may not have the capability to transmit via Local Area Networks (LANs).

COMPUTER (1), CORRECTION	30746	A

A computer designed to accept servo input data and electrically transmit altitude data to position a tracking telescope. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), COURSE-DISTANCE	60248	B

A computer used to determine the angle measured clockwise from true north to a line connecting the point of origin and the point of destination, and the spacing between two or more points directly in scalar values. See also COMPUTER, NAVIGATIONAL.

Approved Item Name	INC	App Key
COMPUTER (1), DEPTH CHARGE RELEASE TIME	60249	A

A computer employed in making determinations of the proper time for the release of a depth charge(s). It may include recording facilities. See also COMPUTER, FIRE CONTROL.

COMPUTER (1), DESTINATION PRESET	00420	B

A computer utilizing electronic control signals for the development of flight parameters to one or more predetermined terrestrial locations. See also COMPUTER, TARGET INTERCEPT.

COMPUTER (1), DEVIATION TIME	00421	B

A computer for the determination of magnitude of departure from the prescheduled time of occurrence of an action, arrival, or event, such as that existing between the actual and desired aircraft arrival at or over a predetermined point.

COMPUTER (1), DIGITAL DATA TRANSFER	46416	A

An item comprised of hardware, software, firmware and the like which directs the flow of digital data between elements, a local area network, one or more multiple computers or the like. It performs all digital data encoding/ decoding, protocol, and data transfer activities.

COMPUTER, DISPLAY, MULTIPLE AIRCRAFT PARAMETERS	66936	A

A computer which receives data from other aircraft computers and systems, such as engine data (temp, RPM, and the like), fuel status, navigation data, flight data. It then processes the data so that it can send it to a Display, Multiple Aircraft Parameters. Flight data is the default information sent to the display. It is not able to send data to other systems to change/control the flight characteristics of the aircraft.

COMPUTER (1), ELEVATION	19049	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to calculate vertical angular measurements from a reference level. May include accessories.

COMPUTER (1), ENGINE	47029	A

A computer that receives, monitors, and stores data of the engine's operation. It also includes analysis of fault data and interfaces with other aircraft indicators and systems.

COMPUTER ERROR EVALUATOR	60258	A

An item that contains a meter for indicating the percentage of time that a computer vector is under a given preset distance. It also contains controls and switches for monitoring purposes during testing of a computer.

Approved Item Name	INC	App Key
COMPUTER (1), ERROR, RADAR DATA	00163	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to make error calculations by means of information derived from radar equipment. May include accessories. See also COMPUTER, AIR TRAFFIC CONTROL.

COMPUTER (1), FIRE CONTROL	30747	A

A computer which provides calculations for the delivery of fire-power to a predetermined target. Do not use if a more specific name can be found in this index. See also COMPUTER, DEPTH CHARGE RELEASE TIME; COMPUTER, POSITION BOMBING; and COMPUTER, TERRAIN CLEARANCE.

COMPUTER, FLIGHT CONTROL	50294	A

Provides power for and accepts inputs from other flight control electronic sets. Performs computations and logic switching necessary to control the roll, pitch and yaw of the aircraft.

COMPUTER (1), FLIGHT DIRECTOR	28374	B

An airborne analog computer used to combine signals from various navigational aids, gyroscopic controls, and landing systems in order to provide flight director steering to the pilot. Excludes COMPUTER, AIR NAVIGATION; COMPUTER, AZIMUTH; COMPUTER, COURSE-DISTANCE; COMPUTER, DESTINATION PRESET; and COMPUTER, HEADING.

COMPUTER (1), FREQUENCY PROPAGATION	07658	A

A computer specifically designed to facilitate interpretation of data contained on a frequency propagation chart. See also COMPUTER, AIR TRAFFIC CONTROL.

COMPUTER (1), FUEL MANAGEMENT	53050	A

A computer specifically designed to compute individual fuel tank quantities, total fuel quantities, center of gravity, and air refueling.

COMPUTER (1), FUEL SAVINGS ADVISORY	53116	A

A computer specifically designed to provide continuous in-flight advisories to minimize fuel consumption. This is done by measuring and processing aircraft performance data and comparing it to the flight plan provided by the crew. It performs computations to show the differences between the two and sends the data to a display (not included) for monitoring.

COMPUTER GROUP, BALLISTICS DATA	60259	A

A collection of items, two or more being major electronic components, which is not capable of performing a complete operational function by itself, but which when added to a set provides ballistics data computing functions.

Approved Item Name	INC	App Key
COMPUTER GROUP, TACTICAL	47488	A

A collection of items designed to process and disseminate tactical data. Specific heterogeneous inputs are processed and managed via COMPUTER, TACTICAL(S) storage devices, patching panels and the like. May or may not have the capability to transmit via Local Area Networks (LANs).

COMPUTER (1), GUIDANCE	30748	A

A computer which calculates and alters the directional course of travel of a projectile. Do not use if a more specific name applies. See also COMPUTER, MISSILE GUIDANCE and COMPUTER, STABILIZATION DATA.

COMPUTER (1), GUN DIRECTION	60250	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to compute gun-laying problems based on geometric, ballistic, and meteorological data. It calculates azimuth and elevation angles and fuze settings. Excludes COMPUTER, BALLISTICS.

COMPUTER (1), HEADING	60251	A

An item used to determine the angle measured clockwise from a reference datum point to the longitudinal axis of an aircraft or ship. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), HEADING-TRACK #	00423	A

A computer used to determine the angle measured clockwise from a reference datum point to the longitudinal axis of an aircraft or ship, and to determine the actual path traveled by the aircraft or ship. See also COMPUTER, NAVIGATIONAL.

COMPUTER-INDICATOR, RADIAC	07455	A

An item which has the dual function of computing and indicating radioactivity as received from a DETECTOR, RADIAC.

COMPUTER (1), MACH NUMBER	30749	A

A computer designed to transform air input signals into electrical output signals representing the speed of sound at a specified altitude. See also COMPUTER, NAVIGATIONAL and COMPUTER, AIR DATA.

COMPUTER (1), MAGNETIC VARIATION	00424	A

A computer which provides automatic computation of magnetic variation. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), METEOROLOGICAL DATA	00425	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to mathematically process received information to determine meteorological data. May include a recorder.

Approved Item Name	INC	App Key
COMPUTER, MISSILE-BOMB GUIDANCE	39092	A

A computer utilizing electronic data received from on board detecting devices to calculate and alter the directional course of travel to establish a collision course with an airborne or surface target. Excludes COMPUTER, GUIDANCE and COMPUTER, TARGET INTERCEPT.

COMPUTER (1), MISSILE GUIDANCE #	60252	A

A computer utilizing electronic data for the development of control signals to establish a collision course with an airborne and/or surface target. Excludes COMPUTER, TARGET INTERCEPT and COMPUTER, DESTINATION PRESET. See also COMPUTER, GUIDANCE.

COMPUTER (1), MISSILE PROGRAMMER DATA, TRUCK MOUNTED	60253	A

A truck mounted computer specifically designed to utilize predetermined intelligence for calculating specific information required to establish the mode of operation of a missile programmer, for the purpose of determining the trajectory of a guided missile in relation to its target. Excludes COMPUTER, MISSILE GUIDANCE and COMPUTER, BALLISTIC. See also COMPUTER (1), MISSILE PROGRAMMER-TEST STATION.

COMPUTER (1), MISSILE PROGRAMMER-TEST STATION	61995	A

A computer specifically designed for the computation of missile flight parameter, sequencing missile countdown, and evaluating missile preflight test data. See also COMPUTER, MISSILE PROGRAMMER DATA, TRUCK MOUNTED.

COMPUTER (1), NAVIGATIONAL	00426	B

A computer for the determination of two or more navigational factors which determines the position, course and distance of an aircraft, missile, vessel or ground vehicle. Do not use if a more specific name applies. See also COMPUTER, ALTITUDE-AZIMUTH; COMPUTER, AZIMUTH; COMPUTER, BOMB-NAVIGATIONAL; COMPUTER, CORRECTION; COMPUTER, COURSE-DISTANCE; COMPUTER, FLIGHT DIRECTOR; COMPUTER, HEADING; COMPUTER, HEADING-TRACK; COMPUTER, MACH NUMBER; COMPUTER, MAGNETIC VARIATION; COMPUTER, PRESENT POSITION; COMPUTER, RANGE; COMPUTER, SPEED AND LATITUDE CORRECTION; COMPUTER, STABILIZATION DATA; COMPUTER, TARGET INTERCEPT; and COMPUTER, TRACK.

COMPUTER-PLANNER, AIRCRAFT LOAD	60263	A

An electronic instrument designed to determine the actual weight and center of gravity of various aircraft and to plan cargo loadings to desired center of gravity positions when used with electronic scales. It is also capable of simulating the scale input when used without scales.

Approved Item Name	INC	App Key

COMPUTER (1), POSITION INDICATOR CORRECTION   60255   B

A computer that processes data received from two or more independent electronic navigation sets to provide correcting signals to an associated indicator for the accurate display of the position of the aircraft or ship in which installed.

COMPUTER-POWER SUPPLY   22669   A

A single component with dual function of a computer and a power supply. The computer and power supply are used with associated components, and may be used with each other.

COMPUTER (1), PRESENT POSITION   00427   B

A computer for the determination of the instantaneous in-flight location with respect to the surface of the earth of the aircraft in which it is installed. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), PRESSURE-ALTITUDE   03940   A

A computer which converts atmospheric pressure in millibars to the corresponding altitude in feet.

COMPUTER (1), RADAR DATA   45559   A

A computer which stores and executes control and calculation software for a RADAR SET or other radar systems.

COMPUTER (1), RANGE   00428   B

A computer for the determination of the range between two or more points. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), RESIDUAL TIME   00429   A

A computer for the determination of the time required to reach a given point, such as that for an aircraft over a check point, as measured to a predetermined destination. See also COMPUTER, AIR TRAFFIC CONTROL.

COMPUTER SET, DIGITAL   47299   A

One or more COMPUTER,DIGITAL and one or more associated peripheral devices which together perform specific ADP functions, but which do not meet the requirements for a complete computer system. Excludes COMPUTER SYSTEM, DIGITAL.

COMPUTER SET, DIRECTION FINDER DATA #   06816   A

A complete set for the computation of target azimuth data derived from two or more direction finder sets.

Approved Item Name	INC	App Key
COMPUTER SET, GUN DIRECTION	60261	A

A complete set for the computation of gun laying problems based on geometric, ballistics and meteorological data.

COMPUTER SET, NAVIGATIONAL	21330	A

A complete electronic set for the determination of four or more factors of a navigation problem. For sets that determine three or less factors, see COMPUTER SET (as modified).

COMPUTER-SIGNAL DATA GENERATOR	21609	A

A single component that provides computer facilities, and generates data modulated signals for application to another item, such as a missile guidance set. See also COMPUTER, AIR TRAFFIC CONTROL.

COMPUTER (1), SONAR DATA	17482	A

A computer which utilizes a power driven mechanism and/or electronic or electrical circuits to calculate two or more factors of sonar data, such as range, bearing, depth and/or sound velocity. Sonar is defined as the transmission and/or reception of underwater sound waves to determine the presence, location, nature or objects or noise on or in the water and/or for permitting an exchange of intelligence through water for communication purposes. Do not use for computers which derive single functions. See also COMPUTER, DEPTH CHARGE RELEASE TIME.

COMPUTER (1), SPEED AND LATITUDE CORRECTION	16145	A

A computer which utilizes a power driven mechanism and/or electronic circuits to compute corrective electrical signals, reflective of course and speed and transmits this corrective signal to the gyrocompass. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), STABILIZATION DATA	00430	B

A computer for the determination of parameters controlling the longitudinal and lateral excursions of an item, such as a platform or aircraft within predetermined limits. See also COMPUTER, GUIDANCE; COMPUTER, NAVIGATIONAL; and GENERATOR, STABILIZATION DATA.

COMPUTER, TACTICAL	47490	A

A heterogeneous multiplexing hybrid computer with application software used to receive, process and correlate intelligence data.

COMPUTER (1), TARGET DISCRIMINATION, GUIDED MISSILE SYSTEM	61640	A

A computer specifically designed to evaluate target data furnished from radar(s) to discriminate between high speed ballistic targets and aircraft. It automatically selects the ballistics targets and initiates launch order signals to interceptor guided missiles. Excludes COMPUTER, BALLISTICS; COMPUTER, MISSILE GUIDANCE; and COMPUTER, TARGET INTERCEPT.

Approved Item Name	INC	App Key
COMPUTER (1), TARGET INTERCEPT	00431	B

A computer utilizing electronic control signals for the development of flight parameters that will establish a collision course to an airborne target. See also COMPUTER, DESTINATION PRESET; and COMPUTER, NAVIGATIONAL.

COMPUTER (1), TERRAIN CLEARANCE	30751	A

A computer designed to facilitate a flight pattern by receiving ground signals, and transforms them into air signals. See also COMPUTER,FIRE CONTROL.

COMPUTER, TEST DATA, AIRCRAFT MAINTENANCE	50134	A

An item which as an insertion or modular design is part of a test kit or test facility. It controls test runs, compares mechanical and electric/electronic values of the components to be checked with stored nominal data and enables the printout of test logs.

COMPUTER (1), TIME INTERVAL RATIO	00432	A

A computer for determining the ratio between two or more time intervals.

COMPUTER (1), TRACK	60256	B

A computer used to determine the actual path of an aircraft relative to the earth's surface. See also COMPUTER, NAVIGATIONAL.

COMPUTER (1), TRUE WIND DIRECTION AND INTENSITY	19976	A

A computer designed for determining true wind speed and direction from relative wind and ship's speed and course.

COMPUTER (1), VISUAL DISTANCE	00433	A

A computer for determining the distance that can be seen by an observer, such as an aircraft pilot, to a predetermined point, such as the approach end of an airport runway. It is a component of a meteorological system for establishing criteria during the approach phase of an instrument landing under marginal or zero visibility conditions. See also COMPUTER, AIR TRAFFIC CONTROL.

COMPUTER (1), ZONE WIND	00434	A

A computer which utilizes a power driven mechanism or electrical circuits in order to compute two or more wind features such as direction and velocity within various altitude zone levels. The thickness of each zone level is selected at the option of the operator and is determined by the tactical application of the computed data. May include accessories. See also COMPUTER, AIR DATA.

Approved Item Name	INC	App Key
CONVERSION SYSTEM, ANALOG TO DIGITAL	62115	A

A grouping of electronic and/or mechanical equipment designed for the purpose of changing an analog sample(s) to an equivalent digital code for some finite resolution. It may contain converters, amplifiers, power supplies, readout devices, and the like.

DATA ACQUISITION UNIT	50835	C

A specifically designed item which receives analog and/or digital signals from a variety of sources such as strain gages, thermocouples, transducers, manual data entry devices and the like and processes them to provide a useful output for monitoring, recording internally or externally, and/or analyzing etc. It may provide for single or multiple inputs and/or outputs.

DIAGNOSTIC UNIT, AIRCRAFT ENGINE	52359	A

An item that acquires measurement data from the engine controls and sensors, records engine's operating times and cycles, detects critical engine data and stores selected event parameters. It may also serve as an engine interconnecting box which distributes various electrical signals between engine components, accessories, and the airframe.

HIGH FREQUENCY DATA SYSTEM	66899	A

A system which is network based and provides Intra-Group communications through secure and error free means of transferring text and binary data over HF Line-of-Sight/Extended Line-of-Sight groundwave. The system is comprised of desktop computers (as modified), display units, patch panels, communication radio frequency modems and the like. EXCLUDES: COMPUTER, DIGITAL DATA TRANSFER.

INTERFACE UNIT, AUTOMATIC DATA PROCESSING	45109	C

A self-contained item which permits the transfer of information between various types of computer support equipment and computers which would not otherwise be compatible. Excludes MODEM, COMMUNICATIONS; EXPANDER CARD, COMPUTER, AUTOMATIC DATA PROCESSING; CIRCUIT CARD ASSEMBLY; and CABLE ASSEMBLY (as modified).

INTERFACE UNIT, ENVIRONMENTAL SENSOR	67605	C

An item that monitors outdoor temperature, dew point, wind, and the like, to maximize indooir cooling. Provides status to a radar system.

INTERFACE UNIT, FIRE CONTROL	40841	C

A fixed number of components not all having the same basic name used for the purpose of communication between separate fire control subsystems.

Approved Item Name	INC	App Key
INTERFACE UNIT, REMOTE, FIRE CONTROL	52973	C

A self-contained unit that provides remote communication between the selected ordinance and the INTERFACE UNIT, FIRE CONTROL.

MATRIX, COMPUTER	62193	A

An array of coupled circuit elements such as diodes, wires, magnetic cores, and relays which are capable of performing a specific function such as the conversion from one numerical system to another. The elements are usually arranged in rows and columns. See also DECODER.

MONITOR, ENVIRONMENTAL	67604	A

An item that monitors outdoor temperature, dew point, wind, and the like, to maximize indoor cooling. Provides status to a radar system.

Panel

1. A single flat-surfaced item upon which are mounted such items as switches, variable resistors, relays, meters, circuit breakers, fuses, jacks, and the like, and may be used to perform functions such as control, protection, measuring, and switching. It may or may not have associated framework and/or inclosure. Do not use if all of the items mounted thereon have the same basic name or for items for which a more specific name can be found in this index.

PANEL (1), FUEL MANAGEMENT	53115	A

A panel which provides the controls and displays necessary to monitor fuel quantity and distribution. It is capable of directing the flow of fuel throughout the fuel system.

PRESETTING MACHINE, CUTTING TOOL, INDUSTRIAL PRODUCTION TYPE	*61668*	*A*

A bench or floor type precision inspection and measuring machine, incorporating gagging devices, optical projection comparators, or the like to perform the off-machine positioning of cutting tools. It is designed to position, adjust, and present the cutting edges of a tool(s) inserted in a boring bar, a cutting tool holder, or the like.

PROCESSOR, FLIGHT CONTROL	53048	A

A unit which accepts and processes information from flight instruments and the control mechanism of an aircraft to initiate a change in the position or course of an aircraft.

PROCESSOR, FLIGHT INFORMATION	53049	A

A unit which accepts electrical/electronic data such as altitude, air speed, barometric pressure, and the like, which have been converted by the COMPUTER, AIR DATA from air/pressure signals to electrical/electronic data, as well as signals from a data bus. The data is processed by this unit to prepare for displaying the results on a cathode ray tube or liquid crystal display.

Approved Item Name	INC	App Key
PROCESSOR, OPTICAL DISK	48366	A

A self-contained unit used to read electronic books (preprogrammed compact disks (CDs). The item includes a full function keyboard or keypad and may contain a display screen or have the capability to be connected to an external display unit via output jacks. May also have the capability for audio output.

PROCESSOR, SIGNAL DATA	48201	A

An item that contains circuitry which receives digital and analog drive signals from external equipment or from radio frequency electromagnetic waves. The data is then processed and applied to supporting equipment. Excludes PROCESSOR, RADAR DATA and radio navigation data.

PROCESSOR, SIGNAL, HEAD-UP DISPLAY	50307	A

An item which generates electric output signals at different input systems to adjust a DISPLAY UNIT, HEAD-UP.

PROGRAMMER, MICROCIRCUIT	*38630*	*C*

A device used to imprint information on a microcircuit including EPROMs and single chip microcomputers. The device may also edit, verify and/or erase existing programmed microcircuits. The device may include remote controls and associated software packages.

RECORDER, GROUND SPEED	02056	A

An item which makes a permanent representation of the horizontal speed of a moving object with respect to the earth.

RECORDER-REPRODUCER, DIGITAL DATA	68124	A

Records data extracts and technical and systems information then uploads and maintains programs required to operate various computer systems .

SUPPORT SYSTEM, TACTICAL	66896	A

An integrated system of computer hardware, firmware and software used by trained operators and decision makers to provide accurate, timely and relevant readiness information to ensure mission success. Also, designed to provide the full range of responsive mission support ADP hardware and software to facilitate management of information, personnel, material and funds required to maintain and operate. Excludes COMPUTER GROUP, TACTICAL and COMPUTER CONSOLE, TACTICAL.

TRANSFER UNIT, CRYPTOGRAPHIC KEY	67788	A

A programmable device or unit that can upload, download, and/or store an electronic key for secure transport. For use with cryptographic key generator(s), de-encoder equipment, comsec and/or transec keys or other equipment with integrated cryptographic capability. Excludes TRANSFER UNIT, PROGRAMMABLE CARTRIDGE.

APPLICABILITY KEY INDEX

	A	B	C
NAME	X	X	X
AXQH	AR	AR	AR
AXQJ	X	X	
AXQK	AR	AR	AR
AMKD	AR	X	
AXQM		X	
AWZJ	X	X	X
ACUR	AR	AR	AR
ACUQ	AR	AR	AR
FREQ	AR	AR	AR
FAAZ	AR	AR	AR
AMPS	AR	AR	AR
AARB	AR	AR	
AARA	AR	AR	
AEEF	AR	AR	
AEEE	AR	AR	
APXH	AR	AR	
AAXX	AR	AR	AR
AKYN	AR	AR	AR
CBBL	AR	AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ENAC	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
BBRJ	AR	AR	AR
AFJN	AR	AR	AR
BHMT	AR	AR	AR
ANRW	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
ADTV	AR	AR	AR
SURF	AR	AR	AR
AFJQ	AR	AR	AR
AJAF	AR	AR	AR
AJAG	AR	AR	AR
AJAH	AR	AR	AR
AFJM	AR	AR	AR

BBRG	AR	AR	AR
AGAV	AR	AR	AR
SUPP	AR	AR	AR
FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR
HZRD	AR	AR	AR

SECTION I

APP Key	MRC	Mode Code	Requirements
ALL			

NAME   D   ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED00430*)

ALL*

AXQH   D   INPUT INTELLIGENCE TYPE

Definition: INDICATES THE TYPE OF INTELLIGENCE THE ITEM IS CAPABLE OF RECEIVING.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AXQHDABC*; AXQHDABB$$DABM*)

A, B

AXQJ   D   INTELLIGENCE INPUT METHOD

Definition: THE MEANS USED TO INPUT THE INTELLIGENCE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQJDAAAE*; AXQJDAAAE$DAADG*)

REPLY CODE	REPLY (AC58)
AABE	AIR
AAAE	ELECTRICAL
AADG	MECHANICAL

ALL*

AXQK   D   OUTPUT INTELLIGENCE TYPE

Definition: INDICATES THE TYPE OF INTELLIGENCE THE ITEM IS CAPABLE OF TRANSMITTING.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AXQKDABH*; AXQKDABG$$DAJY*)

A*, B

AMKD   D   INDICATOR TYPE

Definition: INDICATES THE TYPE OF DEVICE USED TO REGISTER THE CONDITION(S).

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AMKDDAFF*; AMKDDAFG$$DAFH*)

B

AXQM   D   COMPUTATION TYPE

Definition: INDICATES THE TYPE OF COMPUTATION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQMDAAH*; AXQMDAAH$DAAJ*)

When used on a flight path, the GREAT CIRCLE is a straight line and the RHUMB LINE is a spiraling line.

REPLY CODE	REPLY (AJ48)
AAH	GREAT CIRCLE
AAJ	RHUMB LINE

ALL

AWZJ   D   POWER SOURCE

Definition: THE SOURCE OF POWER WHICH PROVIDES THE ENERGY REQUIRED FOR THE OPERATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWZJDBH*; AWZJDBH$DBJ*)

REPLY CODE	REPLY (AG27)
BJ	EXTERNAL
BH	SELF-CONTAINED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS ACUR AND ACUQ: IF THE ITEM OPERATES ON DC VOLTAGE, REPLY TO MRC ACUR. IF THE ITEM OPERATES ON AC VOLTAGE, REPLY TO MRC ACUQ.

ALL* (See Note Above)

ACUR   B   DIRECT CURRENT VOLTAGE RATING IN VOLTS

Definition: THE DIRECT CURRENT VOLTAGE FOR WHICH THE ITEM IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., ACURB24.0*)

For multiple voltages, use AND coding ($$) entering replies in ascending sequence. (e.g., ACURB24.0$$B48.0*)

ALL* (See Note Preceding MRC ACUR)

ACUQ   B   ALTERNATING CURRENT VOLTAGE RATING IN VOLTS

Definition: THE ALTERNATING CURRENT VOLTAGE FOR WHICH THE ITEM IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., ACUQB110.0*)

For multiple voltages, use AND coding ($$) entering replies in ascending sequence. (e.g., ACUQB110.0$$B220.0*)

NOTE FOR MRCS FREQ AND FAAZ: REPLY TO THESE MRCS IF A RATING IS ENTERED FOR MRC ACUQ.

ALL* (See Note Above)

FREQ   B   FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB50.0*)

For multiple voltages with different frequency ratings, use AND coding ($$) entering replies in the same sequence as MRC ACUQ. (e.g., FREQB50.0$$B60.0*)

ALL* (See Note Preceding MRC FREQ)

APP Key	MRC	Mode Code	Requirements
	FAAZ	D	PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*)

For multiple voltages with different phases, use AND coding ($$) entering replies in the same sequence as MRC ACUQ. (e.g., FAAZDA$$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL*

	AMPS	B	CURRENT RATING IN AMPS

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the current rating(s) in amperes required to operate the unit at rated capacity. If more than one current rating, use AND coding ($$) entering replies in the same sequence as MRCs ACUQ and/or ACUR. (e.g., AMPSB1.5*; AMPSB1.5$$B2.0*)

A*, B*

	AARB	D	TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. For items provided with different types of terminals, use AND coding ($$) entering replies in Reply Code sequence. (e.g., AARBDBP*; AARBDBP$$DBQ*)

REPLY CODE	REPLY (AA58)
BP	CONNECTOR, PLUG
BQ	CONNECTOR, RECEPTACLE
BE	SCREW

APP Key	MRC	Mode Code	Requirements

A*, B*

AARA   A   TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AARAA2*)

For multiple replies, use AND coding ($$) entering replies in the same sequence as MRC AARB. (e.g., AARAA2$$A4*)

NOTE FOR MRCS AEEF AND AEEE: REPLY TO THESE MRCS IF REPLY CODE BP OR BQ IS ENTERED FOR MRC AARB.

A*, B* (See Note Above)

AEEF   A   CONNECTOR MANUFACTURER PART NUMBER

Definition: THE IDENTIFYING PART NUMBER ASSIGNED TO THE ELECTRICAL CONNECTOR RECEPTACLE.

Reply Instructions: Enter the part number. (e.g., AEEFAMS3102E18-12P*)

For multiple replies, use AND coding ($$) entering replies in the same sequence as MRC AARB. (e.g., AEEFAAMS3102E18-12P$$AAN3102A-10SL-4P*)

A*, B* (See Note Preceding MRC AEEF)

AEEE   A   CONNECTOR MANUFACTURER CODE

Definition: THE IDENTIFYING NUMERIC CODE OF THE ORIGINATOR THAT CONTROLS OR MANUFACTURES THE ELECTRICAL CONNECTOR RECEPTACLE.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code from Cataloging Handbook H4-1. (e.g., AEEEA81349*)

For multiple replies, use AND coding ($$) entering replies in the same sequence as MRC AARB. (e.g., AEEEA81349$$A02660*)

A*, B*

APXH   D   TERMINAL LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: THE POSITION OF THE TERMINAL(S) FOR MAKING CONNECTION TO AN ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., APXHDAAZ*)

If more than one type terminal is provided, use AND coding ($$) entering replies in the same sequence as MRC AARB. (e.g., APXHDAAZ$$DARW*)

ALL*

AAXX   D   MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., AAXXDBF*; AAXXDBF$DFH*)

ALL*

AKYN   G   FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the name of the furnished item in clear text, followed by the quantity. (e.g., AKYNGRANGE GEAR TRAIN 1*)

ALL*

CBBL   D   FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable code from the table below. (e.g., CBBLDBSZ*; CBBLDBSZ$$DAGQ*)

For multiple replies record in table sequence.

REPLY CODE	REPLY (AN47)
BKR	ELECTRICALLY INSULATED
DBN	ELECTROMAGNETIC INTERFERENCE SHIELDING

27

APP Key	MRC	Mode Code	Requirements
		BSZ	ELECTROSTATIC SENSITIVE
		BCE	RADIATION TOLERANT
		AGQ	RFI SHIELDING
		CEN	RUGGEDIZED
		DMF	TEMPEST

ALL*

FEAT   G   SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST   J   TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs,

28

APP Key	MRC	Mode Code	Requirements
			industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
		B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

　　SPCL　　　　G　　　　　　SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

　　ZZZK　　　　J　　　　　　SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

APP Key	MRC	Mode Code	Requirements

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT   J   NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW   G   DEPARTURE FROM CITED DOCUMENT

APP Key	MRC	Mode Code	Requirements

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX   G   DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY   G   REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL   A   CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY   A   PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

ENAC   D   ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDFW*)

REPLY CODE	REPLY (EN02)
AB	*BRONZE - EPEAT REGISTERED PRODUCTS*
LF	*ENERGY EFFICIENT - ENERGY STAR- OFFICE*

APP Key	MRC	Mode Code	Requirements
			EQUIPMENT - COMPUTERS
		JX	*ENERGY EFFICIENT - FEMP - LOW STANDBY POWER – OFFICE EQUIPMENT - DOCKING STATION*
		G3	*ENERGY EFFICIENT - FEMP - LOW STANDBY POWER – OFFICE EQUIPMENT - INTEGRATED COMPUTER*
		JY	*ENERGY EFFICIENT - FEMP - LOW STANDBY POWER – OFFICE EQUIPMENT - MULTIFUNCTION DEVICES*
		JZ	*ENERGY EFFICIENT - FEMP - LOW STANDBY POWER – OFFICE EQUIPMENT - SCANNER*
		JW	*ENERGY EFFICIENT - FEMP - LOW STANDBY POWER – OFFICE EQUIPMENT - WORKSTATION*
		AG	*GOLD - EPEAT REGISTERED PRODUCTS*
		NR	*REVIEWED - DOES NOT MEET SOME ENAC CRITERIA*
		AF	*SILVER - EPEAT REGISTERED PRODUCTS*

ALL*

   ELRN   G   EXTRA LONG REFERENCE NUMBER

   Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

   Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

   If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

   In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

   NHCF   D   NUCLEAR HARDNESS CRITICAL FEATURE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION III

APP Key	MRC	Mode Code	Requirements

ALL

	BBRJ	D	SPECIAL HANDLING FEATURE

Definition: THAT UNUSUAL OR UNIQUE CHARACTERISTIC(S) OR QUALITY(IES) OF AN ITEM WHICH NECESSITATES THE ESTABLISHMENT OF A REQUIREMENT FOR SPECIAL HANDLING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBRJDAE*; BBRJDAK$DAH*)

REPLY CODE	REPLY (AM83)

APP Key	MRC	Mode Code	Requirements
	AE		FRAGILE
	AK		MAGNETIC
	AH		RADIOACTIVE

ALL

AFJN   D   FRAGILITY FACTOR

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJNDE*; AFJNDF$DG*)

REPLY CODE	REPLY (AD40)
D	DELICATE
B	EXTREMELY FRAGILE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED
C	VERY DELICATE

ALL

BHMT   J   MAGNETIC FORCE

Definition: THE MAGNETIC FORCE MEASURED AT A SPECIFIED DISTANCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BHMTJADKAD2.5*)

Table 1
REPLY CODE	REPLY (AK09)
ADK	GAUSS
AGJ	MILLIGAUSS

Table 2
REPLY CODE	REPLY (AK70)
AD	AT 7 FEET
AE	AT 15 FEET

APP Key	MRC	Mode Code	Requirements
ALL			

ANRW   G   RADIONUCLIDES DATA

Definition: THE AMOUNT OF THE RADIONUCLIDES AS DETERMINED BY THE TYPE OF MATERIAL AND THE PARTICULAR DEVICE BEING TRANSPORTED.

Reply Instructions: Enter the reply in clear text. (e.g., ANRWGRADIUM 223 TRANSPORT GROUP II CURIES 425*)

ALL

PRMT   D   PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT   J   PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Table 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*; PMWTJAUA000F0.500$JPDA00F0.500*)

Table 1
REPLY CODE	REPLY (MA01)

APP Key	MRC	Mode Code	Requirements
		AUA000	GOLD
		IRA000	IRIDUM
		AZA000	OSMIUM
		PDA000	PALLADIUM
		PTA000	PLATINUM
		RHA000	RHODIUM
		RTA000	RUTHENIUM
		AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC   J   PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

ADTV   D   CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADTVDAL0000*; ADTVDST0000$DSTD000*)

ALL

SURF   D   SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., SURFDBA0000*; SURFDCN0000$DCHA000*)

ALL

AFJQ   J   STORAGE TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM TEMPERATURES AT WHICH AN ITEM CAN BE STORED WITHOUT DETRIMENTAL EFFECT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values. (e.g., AFJQJFM32.0/P50.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

ALL

AJAF   J   UNPACKAGED UNIT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJAFJAA66.37*; AJAFJFB2.00$$JFC2.50*)

Table 1

REPLY CODE	REPLY (AA05)
C	CENTIMETERS
F	FEET
A	INCHES

APP
Key MRC   Mode Code   Requirements

	M	METERS
	L	MILLIMETERS

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AJAG   J   UNPACKAGED UNIT WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJAGJAA27.25*; AJAGJFB2.00$$JFC2.50*)

Table 1
REPLY CODE	REPLY (AA05)
C	CENTIMETERS
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AJAH   J   UNPACKAGED UNIT HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING, IN DISTINCTION FROM DEPTH.

APP
Key   MRC   Mode Code   Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJAHJAA37.62*; AJAHJAB6.00$$JAC7.00*)

Table 1

REPLY CODE	REPLY (AA05)
C	CENTIMETERS
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AFJM   D   INSPECTION FREQUENCY

Definition: THE SPECIFIED TIME INTERVAL NECESSARY TO DETECT MATERIAL DETERIORATION THAT WILL AFFECT STOCK READINESS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJMDAB*)

REPLY CODE	REPLY (AD38)
AG	EIGHTEEN MONTHS FROM RECEIPT AND EVERY TWO YEARS THEREAFTER
AB	ONE YEAR FROM RECEIPT AND EVERY YEAR THEREAFTER
AF	TWO YEARS FROM RECEIPT AND EVERY FOUR YEARS THEREAFTER
AE	TWO YEARS FROM RECEIPT AND EVERY THREE YEARS THEREAFTER
AD	TWO YEARS FROM RECEIPT AND EVERY TWO YEARS THEREAFTER
AC	TWO YEARS FROM RECEIPT AND EVERY YEAR THEREAFTER

ALL

APP Key	MRC	Mode Code	Requirements
	BBRG	D	STORAGE TYPE

Definition: INDICATES THE TYPE OF STORAGE SPACE REQUIRED FOR AN ITEM IN ORDER TO PROVIDE THE DEGREE OF PROTECTION NECESSARY TO MAINTAIN SERVICEABILITY STANDARDS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBRGDAC*; BBRGDAE$DAM*)

REPLY CODE	REPLY (AM81)
AC	CLOSED SHED
AD	CONTROLLED HUMIDITY WAREHOUSE
AM	DEHUMIDIFIED WAREHOUSE
AE	GENERAL PURPOSE WAREHOUSE
AN	HEATED WAREHOUSE
AH	OPEN SHED
AJ	UNHEATED WAREHOUSE

ALL

	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text. (e.g., AGAVG3930-00-000-0000*; AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

	SUPP	G	SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

	FCLS	A	FUNCTIONAL CLASSIFICATION

APP Key	MRC	Mode Code	Requirements

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document. (e.g., FCLSAHH-1.5*)

ALL

FTLD   G   FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN   A   TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data. (e.g., TMDNAMSV-615/M*)

ALL

RTSE   G   RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data. (e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58)

ALL

RDAL   G   REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item. (e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

	NTRD	A	ENTRY DATE

Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day. (e.g., NTRDA80-05-28*)

ALL

	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICAION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash, and the identifying number of the document. (e.g., ZZZPJ81A37-30624A*)

ALL

	ZZZV	G	FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

ALL

HZRD   D   HAZARDOUS SUBSTANCES

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ008*)

REPLY CODE	REPLY (HZ00)
HAZ008	CADMIUM

Reply Tables

Table 1 - INTELLIGENCE DATA
INTELLIGENCE DATA

REPLY CODE	REPLY (AJ41)
AAX	ACCELERATION
AAY	AGC BIAS (automatic gain control negative feed-back)
AAZ	AIR DATA
ABA	AIR DENSITY
ABB	AIR DENSITY TIMES SPEED OF SOUND
ABC	AIR MILEAGE
ABD	AIR PRESSURE (static and/or dynamic)
AAB	AIR TEMPERATURE
	Aircraft Altitude (use Reply Code ABH)
ABE	AIRCRAFT DRIFT
ABF	AIRSPEED (general data)
ABG	ALTITUDE
ABK	ALTITUDE CORRECTION
ABH	ALTITUDE DATA
ABL	ALTITUDE DIFFERENTIAL COINCIDENCE
ABM	ALTITUDE DIFFERENTIAL CORRECTION
ABJ	ALTITUDE, GENERAL DATA
AQN	ANALOG (general data)
ABN	ANGLE OF ATTACK
ABP	ANTENNA AZIMUTH
ABQ	ANTENNA ELEVATION
ABR	ASTRO TRACKER
ABS	AUTOMATIC PILOT STEERING
ABT	AZIMUTH
ABW	AZIMUTH ANGLE
ABX	AZIMUTH DATA
ABY	BATHYTHERMOGRAPH DATA (best available true heading)
ABZ	BEARING DISTANCE HEADING
ACA	BEARING RELATIVE

REPLY CODE	REPLY (AJ41)
ACB	CENTER OF GRAVITY
ACC	CLASSIFIED
ACD	COMPASS HEADING
ACE	CONTINUOUS UPDATE OF COURSE
ACF	CONTROL
ACG	COURSE
ACH	COURSE RANGING
ACJ	COURSE TIMING REFERENCE
ACL	CROSS TRACK DISTANCE
ACK	CROSS TRACK SPEED ELEVATION (ground)
ACN	DEPRESSION SYSTEM DATA
ACM	DEPTH
ACP	DESTINATION LATITUDE
ACQ	DESTINATION LONGITUDE
ACR	DIFFERENTIAL PRESSURE
AQP	DIGITAL (general data)
ACS	DIGITIZER (electrical code)
ACT	DISPLACEMENT ANALOG DATA
AQS	DISTANCE
ACW	DISTANCE TO DESTINATION
ACX	DISTANCE TO GO
ACY	DOPPLER
ACZ	DOPPLER RADAR
ADA	DRIFT ANGLE
ADB	DYNAMIC PRESSURE
ADC	EAST
ADD	EAST DISTANCE
ADE	EAST-WEST
ADF	EAST-WEST AIRSPEED
ADG	EAST-WEST GROUND SPEED
ADH	ELEVATION
ADJ	ELEVATION ANGLE
ADK	ERROR
ADL	EXCESSIVE ERROR AND/OR POWER FAILURE MONITORING
ADM	FINE RANGING
ADN	FINE TIMING RECEIVED
ADP	FIRING DATA
ADQ	FIXPOINT ELEVATION RANGE DATA
ADR	FLIGHT COMMAND INFORMATION
ADS	FORWARD
ADT	FUEL SENSOR
ADW	GROUND SPEED
ADX	GROUND TRACK
ADY	GROUND TRACK ANGLE
ADZ	GYROSCOPE-ALTITUDE DATA
AEB	HEADING CORRECTION
AEA	HEADING-DRIFT VELOCITIES
AEC	HEADING ERROR

REPLY CODE	REPLY (AJ41)
AED	HORIZONTAL
AEE	HUMIDITY
AEF	INFRARED LOG SIGNAL STRENGTH
AEG	JUMP ANGLE OF MISSILE
AEH	JUMP ANGLE OF ROCKET
AEJ	LATITUDE
AEK	LAUNCH
AEL	LOCK-ON INDICATION
AEM	LONGITUDE
AEN	LORAN
AEP	MACH NUMBER (a quantity representing the speed of sound at a
AEQ	MAGNETIC COMPASS (true north)
AET	MAGNETIC HEADING
AER	MAGNETIC VARIATION
AES	MAGNETIC VARIATION OF PRESENT POSITION
AEW	MANUAL ADJUSTMENT OF PITCH ALTITUDE REFERENCE TRIM
AEX	MANUAL SELECTION OF HEADING SYSTEM MADE
AEY	MANUAL SELECTION OF HEMISPHERE-LATITUDE OF OPERATION
AEZ	MANUAL SELECTION OF PRIMARY OR STANDBY MADE
AFA	MAPS COORDINATES VOLTAGE
AFB	NAVAN (navigation-velocity)
AFC	NAVIGATION COURSE SELECTED
AFD	NORTH
AFE	NORTH DISTANCE
AFF	NORTH-SOUTH
AFG	NORTH-SOUTH AIRSPEEDS
AFH	NORTH-SOUTH GROUND SPEED
AFJ	NOSE/TAIL INPUT
AFK	OBSERVER INPUT
AFL	OFF TARGET
AFM	ON TARGET
AFN	OWN SHIP COURSE
AFP	OWN SHIP DISTANCE
AFQ	OWN SHIP DISTANCE W/RESPECT TO NORTH AND EAST
AFR	OWN SHIP SPEED
AFS	OWN SHIP SPEED EAST
AFT	OWN SHIP SPEED NORTH
AFW	PEN CONTROL VOLTAGE
AFY	PITCH ANGLE
AFX	PITCH-ROLL SIGNAL DATA
AFZ	PLATFORM DRIVE SIGNALS
AGA	PRESENT POSITION
AGB	PRESENT POSITION LATITUDE-LONGITUDE
AAF	PRESSURE
AGC	PRESSURE ALTITUDE
AGD	RADAR POSITION DATA
AGE	RADAR RANGE
AGF	RADAR TRIGGER DATA

REPLY CODE	REPLY (AJ41)
AGG	RADAR VIDEO DATA
AGH	RANGE
AGJ	RANGE DATA
AGK	RANGE RATE
AGL	RANGE VOLTAGE
AGM	RELATIVE BEARING
AGN	RELATIVE COURSE ANGLE
AGP	RELATIVE GROUND TRACK
AGQ	RELEASE
APL	ROENTGENS
AGR	SERVO AMPLIFIER
AGS	SERVO LOOP
AGT	SEXTANT
AGW	SHIP COURSE
AGX	SHIP DISTANCE
AGY	SLANT RANGE TO RANGE
	specified altitude)
AGZ	SPEED
AHA	STABILIZATION DATA
AHB	STAGNATION TEMP
AHC	STATIC PRESSURE
AHD	STEERING DATA TO DESTINATION
AHE	SWEEP
AHF	SYNCHRO MOTOR
AHG	TACAN
AHH	TACHOMETER AMPLIFIER
AHJ	TARGET ALTITUDE
AHK	TARGET ASPECT VOLTAGE
AHL	TARGET AZIMUTH
AHM	TARGET BEARING
AHN	TARGET COURSE
AHP	TARGET DEPTH
AHQ	TARGET DISTANCE
AHR	TARGET ECHO
AHS	TARGET ELEVATION
AHT	TARGET ELEVATION ANGLE
AHW	TARGET HEIGHT
AHX	TARGET POSITION
AHY	TARGET RANGE
AHZ	TARGET RATE
AJA	TARGET SPEED
AAL	TEMPERATURE
AJB	TIME
AJC	TIME BASE TRIGGER PULSE
AJD	TIME/HOURS
AJE	TIME/MINUTES
AJF	TORQUING SIGNAL EARTH RATE CORRECTION
AJG	TORQUING SIGNAL TRANSPORT

REPLY CODE	REPLY (AJ41)
AJH	TOTAL MILES COUNTER
AJJ	TOTAL PRESSURE
AJK	TRACK EAST
AJL	TRACK ERROR DATA
AJM	TRACK NORTH
AJN	TRAIL (path)
AJP	TRIGGER AND GATE VOLTAGES
AJQ	TRIGGER PULSE
AJR	TRUE AIR SPEED
AJS	TRUE ALTITUDE
AJT	TRUE ANGLE OF ATTACK (pitch)
AJW	TRUE HEADING
AJX	VARIATION
AJY	VELOCITY
AJZ	VELOCITY SIGNAL TIMES AXIS
AKA	VELOCITY SIGNAL Y AXIS
AKB	VERTICAL ACCELERATION SIGNAL
AKC	VIDEO RETURN FROM 0 TO 20000 YARDS
AKD	WARNING
AKE	WEIGHT
AAM	WIND DIRECTION
AKF	WIND FORCE
AAN	WIND SPEED
AKG	WIND VELOCITY

Table 2 - TERMINAL LOCATIONS
TERMINAL LOCATIONS

REPLY CODE	REPLY (AJ91)
AAZ	BACK
ART	BACK CORNER
AAX	BASE
ABA	BOTTOM
AHP	CENTER
AGW	COVER
ABB	END
ABC	FRONT
ARW	FRONT CORNER
ABT	FRONT END
ADD	ONE SIDE
ACZ	SIDE
ABD	TOP

Table 3 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING

REPLY CODE	REPLY (AD08)
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 4 - MOUNTING TYPES
MOUNTING TYPES

REPLY CODE	REPLY (AA78)
BF	BASE
FH	BASE, SHOCK MOUNT (resilient)
CL	BRACKET
FJ	CLAMP
FK	DRAWER
DC	FIXED (stationary)
CW	FLANGE (adjustable)
CJ	PANEL
FL	PLATE
FM	RACK
FN	VIBRATION, BEAM
FP	VIBRATION, CUP

Table 5 - INDICATOR TYPES
INDICATOR TYPES

REPLY CODE	REPLY (AJ12)
AFF	ALPHA-NUMERIC ELECTRONIC TUBE
AFE	AUDIO TONE
ADS	CATHODE RAY TUBE
AMD	DIGITAL READOUT
AFG	DUAL ROTATING DIAL
ANE	ELECTROLUMINESCENT DISPLAY
AFH	ELECTRONIC COUNTER
ANF	GAS PLASMA
AFJ	GLOW TUBE
ACE	LIGHT (lamp)
AND	LIQUID CRYSTAL DISPLAY
AFK	MECHANICAL COUNTER
ACJ	METER
AFL	SINGLE ROTATING DIAL

Table 6 - CASE MATERIALS
CASE MATERIALS

REPLY CODE	REPLY (AD09)
AL0000	ALUMINUM ALLOY
LR0000	LEATHER
ST0000	STEEL
STD000	STEEL, STAINLESS

Table 7 - SURFACE TREATMENTS
SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)

REPLY CODE	REPLY (AD09)
AN0000	ANODIZED
BA0000	BLACK OXIDE
CD0000	CADMIUM
CDD000	CADMIUM, DICHROMATE TREATED
CN0000	CHROMATE
CHA000	CHROME-NICKEL PLATED
EN0000	ENAMEL
PS0000	PASSIVATED

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32		-----	.0312				17/32		.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16		-----	.062	.0625			9/16		-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32		.094	.0938				19/32		.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32		.156	.1562				21/32		.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32		.219	.2188				23/32		.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32		.281	.2812				25/32		.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32		.344	.3438				27/32		.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32		.406	.4062				29/32		.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32		.469	.4688				31/32		.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective September 4, 2009

Added reply codes to MRC ENAC.

Deleted A - ANY ACCEPTABLE reply from Appendix A, Table 2 and 7.